

Chish-Mun

KAM



#8

1653

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/693,205

DATE: 01/28/2002  
TIME: 15:03:20

Input Set : A:\2825.1021-003.TXT  
Output Set: N:\CRF3\01282002\I693205.raw

ENTERED

4 <110> APPLICANT: Hudson, Thomas J.  
5 Engert, James C.  
6 Richter, Andrea  
8 <120> TITLE OF INVENTION: IDENTIFICATION OF ARSACS MUTATIONS AND  
9 METHODS OF USE THEREFOR  
12 <130> FILE REFERENCE: 2825.1021-003  
14 <140> CURRENT APPLICATION NUMBER: US 09/693,205  
15 <141> CURRENT FILING DATE: 2000-10-20  
17 <150> PRIOR APPLICATION NUMBER: US 60/160,588  
18 <151> PRIOR FILING DATE: 1999-10-20  
20 <160> NUMBER OF SEQ ID NOS: 73  
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 12793  
26 <212> TYPE: DNA  
27 <213> ORGANISM: Homo sapiens  
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32 tccatttgat gaaaacagaa atcaccatc tgtttcatgg cttaaagatgg tttggaaaaaa 180  
33 tctttatata catttttcag aggatttgc 60  
34 aactatacta gaggaaggc 120  
35 agtcatttta gacgatgaat ctgaagcaca gcttccagaa ttttttagcag acattgtaca 360  
36 aaaacttggc 180  
37 aaaatataattt cattcaccat taccaagtgc tgtttgc 240  
38 gcagaaattt tgtaatcaaa taacttcgtt 300  
39 gttcttgct agttaaccg atagcgtga gaaagagaaa agaattattt aagaattggc 600  
40 aatattcaag cgcatttaacc attttcttgc tcagggatt tccttcttata caaaatttgc 660  
41 aggttgtaaa gtcttacacc atactgcca actccacgc gatctgcac 720  
42 agtaatagac agtagtgatg aagctactat tcgtctggca aacatgttgc 780  
43 gttaaagacc actagctgt taaagcttgc 840  
44 acatgaagag gtaacacacgc ttatgttgc 900  
45 tgagaatcca aatgtgttgc agtggtaac accattaaaa ttcattccaga tatcacagga 960  
46 acagatggta tcagctggc aactcttgc ccctgtatc 1020  
47 ttgttaatgaa gaaggaacct atttccacc ctcagttttt acctcaccag atattttca 1080  
48 ctccttaaga cagattggc 1140  
49 agtggcaaaa aaaatttgc 1200  
50 gaagaaagcc aaaaccctt 1260  
51 tgaaggaaag atgacattgc 1320  
52 aaattatcca ggctcttgg tctggaaagg agatctgtt 1380  
53 tatgtgtat gtaggccatg caattctcat tggctctca 1440  
54 ccatgttaaac ctggaaaaag cattagggat cttcacaaaa cctagccta 1500  
55 aaaacacttt aaaattttgc ttgttgc 1560

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Input Set : A:\2825.1021-003.TXT  
Output Set: N:\CRF3\01282002\I693205.raw

105 ttctttggac tggaaaggca acagtttaa gcctgaaacc atgtttgcag caactgac 4560  
 106 ttatacagct gaacatcaag atatagttt tcttttgc aaattctaa atgaaaattc 4620  
 107 ccattcttt agaggttgc gttcagtgtc attggcttt aaagagttt tggattact 4680  
 108 caagaagcca acagttgatc tggttataaa ccaattgaaa gaagtagcaa aatcagttga 4740  
 109 tgatggatt acactgtacc aggagaatat caccaatgct tgctacaaat accttcatga 4800  
 110 agccttgatc caaaatgaaa tcactaagat gtcaatttatt gataagttaa aaccctttag 4860  
 111 cttcattcta gttgagaatg catatgttgc ctcagaaaag gtttctttc attaaatatt 4920  
 112 tgaggcggca ccataccctt atcagttgcc taataagtat aaaaataatt tccgcgaact 4980  
 113 ttttgaacc gtgggtgtga ggcagtcatg cactgttga gatttgc ttttttgg 5040  
 114 atctattgtat caagaaaagag gaacaaagca aataacagaa gagaattttc agctttgc 5100  
 115 acgaataatc agtgaaggaa tatggagttt cattagagaa aagaacaag aatttgtga 5160  
 116 gaaaaattat ggcaagat tattgccaga tactaatctt atgcttcctt ctgctaaatc 5220  
 117 gttatgctac aatgattgcc cttggataaa agtaaaggat accactgtaa aatattgtca 5280  
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 119 cttagaaaga tatgcatcca atgtctgtt tacacactt ggcacagaat ttggcagaa 5400  
 120 agaaaaattt accagcagaa ttaagagcat ccttaatgca tattcttc ttttttgg 5460  
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 122 tgatcctaga cagcatccag ttgatagaat atttgcattt aagtggccc cattgcaagg 5580  
 123 gccagcactt tgggtgtaca acaaccaggcc atttacagaa gatgatgtt gagaattca 5640  
 124 gaatcttggaa aaggcacga aagagggaaa tccttataaa actggacagt atgaaatagg 5700  
 125 attcaattct gtgtatcata tcacagactg cccatctttt atttctgc atgacatcct 5760  
 126 gtgtatttt gatcctcatg ccagatatgc accaggggcc acatccatta gtccggacg 5820  
 127 catgtttaga gatttggatg cagattttg gacacagttc tcagatgtt tggatctt 5880  
 128 tctggacc cattttaaac tggataattt cacaatgttca agatttctc ttcgtatgc 5940  
 129 agaaatggca aaagttcgg aaatttgc tggccagca tcagacagaa tggccagaa 6000  
 130 tcttttggac aaactgcgtc cagatggggc agaacttcta atgttttcta atcacatgg 6060  
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 132 aaagggcaaa atcacagatg gagacagatt gaaaaggaaa caatttcatg catctgtat 6180  
 133 tgatagtgtt actaaaaaga ggcagctcaa agacatacca gttcaacaaa taacctatac 6240  
 134 tatggataact gaggactctg aaggaaatct tactacgtt ctaatttgc atagatcagg 6300  
 135 ctttcaagt atggagaaatg tatctaaaatg tgcataatca gtcacaaga accaagat 6360  
 136 tactctttc ccacgtggatg gagtagctgc ctgcattact cacaactata aaaaacccca 6420  
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 138 ccacttgcctt ctggattcag ccagaaggaa cctgtggcgt gatgataatg gatgttgc 6540  
 139 tcgaagtgc tggaaataaca gtttgcatttgc atgttgcattt 6600  
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 142 taaccgttgc ttttgcatttgc cagatttata ttgtctgtt aaagcactt acaatttgc 6780  
 143 tcacgaagac atgaaacgtc ttttgcatttgc ttttgcatttgc ccaatatttgc atggctctg 6840  
 144 ctgcactctc gcagttataa ttacttggat caatatgttctt acttcttataa aacttagacc 6900  
 145 atttttttgc aatttactac aggatgattt acaacacccctt aaaaatgcag attataat 6960  
 146 caccacacgc aaaacagttt cagagaatgtt ctataggctt aaacatcttcc ttttagaaat 7020  
 147 tggtttcaac ttgggttata actgtgatga aactgttcaat ttttgcatttgc ttttgcatttgc 7080  
 148 tgcagatattt cctgttagttt atgtgacccctt tgctgatattt agatctttttaatgacattt 7140  
 149 ttcctcttgc gacactaattt gccatattttt gaaatgttgcctt ttttgcatttgc aacatgttgc 7200  
 150 tctaaaactt ttttgcatttgc taaaactttt agtttgcattt ttttgcatttgc ttttgcatttgc 7260  
 151 aaatgagattt gaaatgttgc ttttgcatttgc ttttgcatttgc ttttgcatttgc ttttgcatttgc 7320  
 152 ttttgcatttgc aacatgttgc ttttgcatttgc ttttgcatttgc ttttgcatttgc ttttgcatttgc 7380  
 153 agacttgcatttgc ttttgcatttgc ttttgcatttgc ttttgcatttgc ttttgcatttgc ttttgcatttgc 7440

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/693,205

DATE: 01/28/2002  
TIME: 15:03:21

Input Set : A:\2825.1021-003.TXT  
Output Set: N:\CRF3\01282002\I693205.raw

L:1423 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (5) SEQUENCE:  
L:1428 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (6) SEQUENCE:  
L:4420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:4957 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (68) SEQUENCE:  
L:4962 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (69) SEQUENCE:  
L:4967 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (70) SEQUENCE:  
L:4972 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (71) SEQUENCE: